

Title (en)

AUXILIARY HEATER CONTROL DEVICE, HEATED FLUID UTILIZATION SYSTEM, AND AUXILIARY HEATER CONTROL METHOD

Title (de)

STEUERUNGSVORRICHTUNG FÜR ZUHEIZER, SYSTEM ZUR VERWENDUNG EINER ERHITZTEN FLÜSSIGKEIT UND STEUERUNGSVERFAHREN FÜR ZUHEIZER

Title (fr)

DISPOSITIF DE COMMANDE DE DISPOSITIF DE CHAUFFAGE AUXILIAIRE, SYSTÈME D'UTILISATION DE FLUIDE CHAUFFÉ ET PROCÉDÉ DE COMMANDE DE DISPOSITIF DE CHAUFFAGE AUXILIAIRE

Publication

EP 3361189 A3 20180912 (EN)

Application

EP 18160903 A 20091125

Priority

- EP 18160903 A 20091125
- EP 09851632 A 20091125
- JP 2009069821 W 20091125

Abstract (en)

[origin: EP2505940A1] An auxiliary heater control device can be readily attached to a hot water heating system configured with a simple water circuit without a hot water storage tank, and is capable of preventing freezing of circulating water such that use of an auxiliary heater is minimized. When a sensed temperature tS sensed by a temperature sensor 70 is in a range 81, a control device 60 increases a rotational speed of a circulation pump 40. When the sensed temperature tS is in a range 82, the control device 60 increases the rotational speed of the circulation pump 40 and lowers an operating frequency of a compressor 11. When the sensed temperature tS is in a range 83, the control device 60 increases the rotational speed of the circulation pump 40, lowers the operating frequency of the compressor 11, and activates an auxiliary heater 20.

IPC 8 full level

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CPC (source: EP US)

F24D 3/18 (2013.01 - EP US); **F24D 19/0095** (2013.01 - EP US); **F24D 19/1012** (2013.01 - EP US); **F24D 19/1039** (2013.01 - EP US); **F24H 15/136** (2022.01 - EP US); **F24H 15/219** (2022.01 - EP US); **F24H 15/34** (2022.01 - EP US); **F24H 15/37** (2022.01 - EP US); **F24H 15/38** (2022.01 - EP US); **F25B 25/005** (2013.01 - EP US); **F25B 47/025** (2013.01 - EP US); **F25B 49/022** (2013.01 - EP US); **F24D 2200/08** (2013.01 - EP US); **F24D 2200/12** (2013.01 - EP US); **F25B 2339/047** (2013.01 - EP US); **F25B 2400/01** (2013.01 - EP US); **Y02B 30/12** (2013.01 - EP US); **Y02B 30/70** (2013.01 - EP US)

Citation (search report)

- [A] JP H03125856 A 19910529 - MATSUSHITA ELECTRIC IND CO LTD
- [A] JP H07318164 A 19951208 - MATSUSHITA ELECTRIC IND CO LTD
- [A] JP H06288644 A 19941018 - MATSUSHITA ELECTRIC IND CO LTD
- [A] JP H03211359 A 19910917 - MATSUSHITA ELECTRIC IND CO LTD
- [A] JP 2005147609 A 20050609 - MATSUSHITA ELECTRIC IND CO LTD
- [A] JP H05322314 A 19931207 - MATSUSHITA ELECTRIC IND CO LTD

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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